GSM Emergency Alarm System

User Manual

Profile

For a better understanding of this product, please read this user manual thoroughly before using it.

I. Features

1. Adopt GSM 850/900/1800/1900 bands, can be used all over the world.
2. Can per-set 5 phone numbers: when there is an alarm, it will call these numbers in order. Press DISARM button on the main panel, it will stop alarming.
3. Can per-set 5 SMS numbers: when there is an alarm, it will send SMS to these numbers.
4. Maximum 30 wireless sensors including wireless panic button or remote controllers, etc.
5. 2 wired ports to connect wired sensors.
6. The SMS content of the first 5 wireless sensors can be edited by users.
7. Support remote listen in and two-way communication (connect an external speaker).
8. SMS alert for power failure or recovery.
9. Built-in backup rechargeable battery to keep working after power off.

II. Preparation before use

1. **Insert SIM card in alarm system**

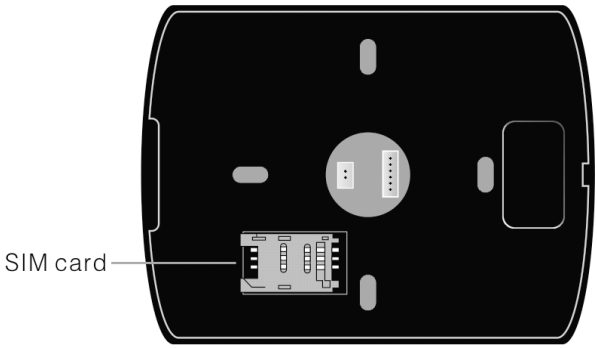
Before inserting SIM card, please make sure:

---Use a regular mobile phone to set PIN code request to off

---Delete all stored numbers

---Make sure there's enough balance in the card to work normally

Open the outside case of the alarm system and put the SIM card into the card slot (see picture).



2. Connect all devices needed

a. Connect the antenna

Screw the antenna to the unit carefully; do not over-tighten the screw or leave it too loose!

b. Connect the alarm siren (optional)

c. Connect the two-way intercom speaker (optional)

d. Connect wired sensors (optional)

3. Power

Plug in the power adaptor and turn on the backup battery switch. The LED indicator will flash and the unit enters standby status.

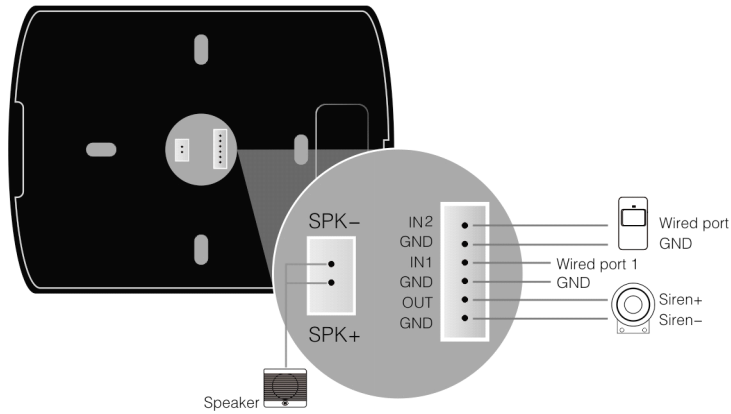
4. Do the needed settings (check Part "System Settings" in detail).

III. Host

1. LED status explanation

LED	LED Status	System working status
POWER	Off	Hasn't turned on the switch; hasn't connected the power; no power in built-in battery
	Red	power supply is normal
STATUS	Red (flash quickly)	Check SIM card and search GSM network
	Green (flash slowly)	SIM card and GSM signal are normal; have stored numbers in SIM card; in arm status
	Red	In coding status: wait to set sensors
	Green (flash quickly)	Sensor is set successfully
	Red and Green flash alternately	Receive correct setting SMS
MONITOR	On	Listen in status: users can hear the voice from the scene
ALARM	On	Alarming status

2. Host panel



SPK-	**Negative of two-way intercom speaker (black cable)**
SPK+	**Positive of two-way intercom speaker (red cable)**
IN2	**Wired sensor**

GND	**GND**
IN1	**Wired sensor**
GND	**GND**
OUT	**Positive of siren (red cable)**
GND	**Negative of siren (black cable)**

IV. System Settings

This device has two passwords:

Remote control password: used for remote listen-in and two way intercom. Default: 123456

Operation password: used for system settings. Default: 888888

Note: These two passwords could not be set as the same.

1. **Coding of wireless sensors**

This device supports maximum 30pcs wireless sensors. Press the [reset] button at the back side of the panel, there will be a shot beep and the STATUS LED will be on red, indicating the device enters coding status. Trigger the wireless sensor you want to code, there will be a long beep and the STATUS LED will flash in green. The sensor is set successfully.

The sensors will be numbered in consecutive order automatically according to the coding sequence. That means, the first panic button coded is No. 1, the second is No. 2, and the like. The default alarm SMS is xx Emergency ALARM (xx means the serial number of the sensor).

If the sensor quantity exceeds 30pcs, the exceeded sensor will replace the coded one from No. 1.

2. **Exit coding**

In coding status, press [RESET] button again. Or if there's no operation within 5seconds after entering coding status, it will exit coding automatically.

3. Settings by call

Users can use a mobile phone or fixed-line telephone to call the number of the host to set alarm call numbers. It can store maximum 5 numbers. After setting, the host will call these numbers when alarm. Setting method: after getting through the call, users will hear a long beep. Then press operation password (default: 888888) and #. A long beep means password is correct. Three short beeps mean password is wrong, you need to input again. If the password is wrong for consecutive three times, the call will be hung up automatically. If there's no input within 30seconds after getting through the call, it will also be hung up automatically.

After password and #, users can do the following settings.

Table 1:

Function setting	**Setting format**	
Change remote control password	30#[new password]#	Password should be 6-digit. Default: 123456
Change operation	31#[new password]#	Password should

password		be 6-digit. Default: 888888
Alarm call number setting	[50-54]#number#	50: the 1st number, 51: the 2nd number … 54: the 5th number Number should not exceed 20-digit.
Delete call number	[50-54]##	
Alarm SMS number setting	[55-59]#number#	55: the 1st SMS number, 56: the 2nd number … 59: the 5th number Number should not exceed 20-digit.
Delete SMS number	[55-59]##	
Turn on power LED	00#1#	Default: on
Turn off power LED	00#0#	
Power failure/recovery alert	01#1# (ON)	Default: on
	01#0# (OFF)	
Alarm call circle time	02#[1-9]#	Default: 3
Siren rings when alarm	03#1#	Default: on
Siren off when alarm	03#0#	

Note:

a. Power failure/ recovery alert: after activating this function, when the external power supply is off, user will receive a message “POWER DOWN”. If the power recovers after failure, the message is “POWER UP”.
b. Alarm call circle time: when there’s nobody answers the alarm call, the device will call all the alarm phone numbers in circle automatically. This is to set the circle time.

4. Settings by SMS

Use your mobile phone to send a message to the number of the device.

All the above settings in Table 1 can also be set by SMS. And they should begin with “operation password#”. The default password is 888888.

For example:

1. 888888#30#112233#: change the remote control password into 112233
2. 888888#52#13412345678#: set the third alarm call number as 13412345678
3. 888888#01#0#: turn off the function of SMS alert for power failure
4. 888888#02#5#: set the alarm call circle as 5 times.

All the following commands in Table 2 can also be set by SMS. The SMS should begin with “operation password#”. The default password is 888888.

Table 2

Change alarm message of SOS button on main panel	96#message content#	Message content should not exceed 25 English letters. Default SMS: 00 Emergency ALARM.
Change alarm message of wireless panic button	[91-95]#message content# 91: the 1st wireless sensor 92: the 2nd wireless sensor …… 95: the 5th wireless sensor	Message content should not exceed 25 English letters. Default SMS: XX Emergency ALARM. XX means the serial number of wireless sensor
Delete alarm message	[91-95]##	

Note: After successful setting, user will receive a SMS reply with the content of “OK…”. If the SMS setting format is wrong, user will receive “FORMAT ERROR!”.

5. Factory reset

Press the [RESET] button for 5 seconds until the LEDs on the panel are flashing quickly. After this operation, all the settings return to factory default.

V. Operation Instruction

1. Answer alarm call

When there is an alarm, the ALARM LED on the panel will be on and the external siren (if user has connected) will ring for 3 minutes if there's no operation. Also the device will send alarm SMS to and call the preset numbers. Press DISARM button on the main panel or the remote controller, it will stop the alarm.

The alarm system will keep calling all the preset numbers in order if nobody answers the call. The default circle time is 3.

If someone answers the call, it will enter two-way intercom status automatically and the siren stops ringing.

Then user can press "1#" to arm,

"2#" to disarm,

"3#" to listen-in,

and "4#" to return to intercom.

A long beep means correct operation and three short beeps means wrong operation.

2. Remote control operation

Operation by remote call:

When users are outside and want to monitor the alarm system, he can call the alarm panel. After getting through the call, user will hear a long

beep. Then press remote control password (default: 123456) and # to enter listen-in status. User can hear the sound around the alarm panel.
If the password is input wrong, there will be three short beeps; while a long beep means correct.
A long beep means password is correct, while three short beeps mean wrong, you need to input again. If the password is wrong for consecutive three times, the call will be hung up automatically. If there's no input within 30seconds after getting through the call, it will also be hung up automatically.

Operation by SMS:

User can send sms to remotely arm or disarm the system.
Arm: remote control password (default: 123456)#1#
Disarm: remote control password (default: 123456)#2#

VI. Technical Parameters

Power: DC12V/ 1.2A
Status current: ≤30mA
GSM bands: 850/ 900/ 1800/ 1900MHz
Wireless receiving frequency: 433MHz ± 0.5MHz
Receiving code: ASK
Wireless distance: no obstacle 80m
Working temperature: +10~+45℃
Working humidity: ≤90%
Backup battery: 7.4V/ 500mAh

VII. Standard Kit

Alarm panel 1pc,

Power adaptor 1pc,

User manual 1pc.

VIII. Additional Accessories

Signal Repeater

Wireless Keypad

Wireless Outdoor Flash Siren

Glass Sensor

Panic Button

Remote Controller

Smoke Detector

Gas Detector

Wireless Pet Immune PIR Detector

Optional sensors/detectors are packed separately. You can choose according to your specific requirements.

IX. Care and Maintenance

The alarm system has excellent design and uses advanced technologies. It shall be used with care. The following suggestions are required to maintain your obligations under the warranty terms, and for prolonging the service life of the system.

- ✧ Place the control panel and all parts and accessories out of children's reach.
- ✧ Keep the alarm system dry. Rain, humidity and various fluids or moisture all will corrupt the electronic circuit.
- ✧ Do not use or place the alarm system in dirty locations, otherwise the electronic elements will be damaged.
- ✧ Do no place the system in excessively hot locations. High temperature will shorten the service life of electronic equipment, damage batteries, deform or even melt some plastic parts.
- ✧ Do not place the system in excessively cold locations. Otherwise condensation many occur and damage the circuit board of the alarm system.
- ✧ It is recommended that you check and test the alarm system periodically:

Check the main unit every three months:

1. Whether it can arm/disarm normally.
2. Whether it can dial the number for alarm normally.
3. Whether it can receive wireless detectors' signal normally
4. Whether the back-up battery can work normally.

Check the wireless detectors (if you have) once a month:

1. Trigger wireless detectors to see if system can alarm normally.

2. Check all detectors' batteries to see if it's in low voltage.
3. Check whether wireless detectors can send signal to the main unit normally.

Check the SIM card:

1. Check the use of SIM card, such as network signal, balance, etc.
2. Make sure the PIN code verification of the SIM card is closed.
3. Please keep the password and SIM card number safe, in case that other people remote control the system illegally.

✧ Since the alarm system is continuously in operation or standby mode, the supply adaptor of the control panel shall be connected to a safe and reliable socket.

✧ Do not place the system near your bedroom or office table, because the siren will make high-loudness sound in the case of alarm, which may adversely affect your rest or work.

✧ If the alarm system will not be used for a long time, please disconnect the system from the power supply.

✧ Please do not disassemble, repair and alter the products without permission, or it may cause accidents and faults.

✧ Do not drop this product on the ground or on hard objects, as it may lead to massive impact to cause faults and damages.

✧ Without approval and consent of relevant authorities, please do not set "110", "119" or the alarm phone number of police station for this main unit.

Please read the suggestions above carefully and follow the instructions herein. If any of the equipment does not work properly, please send it

to the dealer or authorized service point for repair. We will try our best to solve the problem for you as soon as possible.